

Appl. No. : 10/049,572
Filed : February 14, 2002

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Currently amended) A lamp as claimed in claim 13, A lamp including a plurality of light emitting junctions mounted to a plurality of curved conductors so as to adopt a three-dimensional array, at least one of the curved conductors comprising a curved conducting surface with recesses formed therein, wherein at least two recesses are formed in each of the plurality of curved conductors for receipt of respective ones of the junctions.
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (Canceled)
21. (Canceled)
22. (Currently amended) A lamp as claimed in claim 20, wherein A lamp including a plurality of light emitting junctions mounted to a plurality of curved conductors so as to adopt a three-dimensional array, wherein the curved conductors have a curved conducting surface, and at least two recesses are formed in each of the plurality of curved conductors for receipt of the junctions mounted to the curved conducting surface.

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23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Canceled)

31. (Canceled)

32. (Canceled)

33. (New) A lamp as claimed in claim 15, wherein at least one of the curved conductors is configured such that the junctions thereon are arranged substantially on an imaginary spheroid surface.

34. (New) A lamp as claimed in claim 15, wherein at least one of the recesses has side walls which function as an optical guide for controlling at least one of the direction of light transmission and the angle of divergence.

35. (New) A lamp as claimed in claim 15, further comprising a globe portion with the junctions and the curved conductors being embedded within the globe portion so that the lamp is formed as a unitary structure.

36. (New) A lamp as claimed in claim 35, wherein the lamp includes a lens adapted to fit with the globe portion, and configured to shape the light emitted from the globe portion into a predetermined pattern.

37. (New) A lamp as claimed in claim 15, wherein the junctions are electrically connected between at least two of the curved conductors.

38. (New) A lamp as claimed in claim 37, wherein the junctions are grouped so as to form groups of junctions electrically connected in series.

39. (New) A lamp as claimed in claim 36, wherein at least two adjacent junctions have a common layer of fluorescent material arranged thereover.

40. (New) A lamp as claimed in claim 22, wherein at least one of the curved conductors is configured such that the junctions thereon are arranged substantially on an imaginary spheroid surface.

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41. (New) A lamp as claimed in claim 22, wherein at least one of the recesses has side walls which function as an optical guide for controlling at least one of the direction of light transmission and the angle of divergence.

42. (New) A lamp as claimed in claim 22, further comprising a globe portion with the junctions and the curved conductors being embedded within the globe portion so that the lamp is formed as a unitary structure.

43. (New) A lamp as claimed in claim 42, wherein the lamp includes a lens adapted to fit with the globe portion, and configured to shape the light emitted from the globe portion into a predetermined pattern.

44. (New) A lamp as claimed in claim 22, wherein the junctions are electrically connected between at least two of the curved conductors.

45. (New) A lamp as claimed in claim 44, wherein the junctions are grouped so as to form groups of junctions electrically connected in series.

46. (New) A lamp as claimed in claim 43, wherein at least two adjacent junctions have a common layer of fluorescent material arranged thereover.